

## Comparison of bear population and harvest estimates in Minnesota, Michigan, Wisconsin

Handout B

### **Minnesota**

Bear Range sq. mi	33,000
Population estimates- range (tetracycline mark-recapture)	20,000
Density	0.61

	2003	2004	2005	2006	2007	Average	Density	Average % of population harvested
Hunters	13,500	12,800	12,400	12,400	11,200	12,460	0.38	
Harvest	3,598	3,391	3,340	3,290	3,172	3,358	0.10	
Success	27%	26%	27%	27%	27%	27%		13% 17%

### **Michigan**

#### **Upper Peninsula**

Bear Range sq. mi

16,200

Population estimates- range (tetracycline mark-recapture)

Density  
0.5  
0.7

	2003	2004	2005	2006	2007	Average	Density
Hunters	6,939	7,062	7,305	7,310	7,221	7,167	0.44
Harvest	1,944	1,819	1,722	2,075	1,775	1,867	0.12
Success	28%	26%	24%	28%	25%	26%	

#### **Lower Peninsula**

Bear Range sq. mi

14,680

Population estimates (DNA mark-recapture)

Density  
0.1  
0.1

	2003	2004	2005	2006	2007	Average	Density
Hunters	1695	1653	1567	1608	1653	1635.2	0.11
Harvest	423	383	255	401	352	362.8	0.02
Success	25%	23%	16%	25%	21%	22%	19%

**Wisconsin****Zones ABD**

Bear Range sq. mi (sq. mi land area)	18,987
Population estimates (tetracycline mark-recapture)	25,336
Density	1.3

2003	2004	2005	2006	2007	Average	Density
3930	3496	2975	2819	2845	3,213	0.17
2530	2559	2156	2425	2,232	2,380	0.13
64%	73%	72%	86%	78%	75%	

**Zone C**  
Bear Range sq. mi  
(sq. mi land area)  
Population estimates  
tetracycline  
Density

Bear Range sq. mi (sq. mi land area)	12,896						
Population estimates	11,453						
Density	0.9						
2003	2004	2005	2006	2007	Average	Density	
Hunters	780	1222	1515	1458	1560	1,307	0.10
Harvest	371	492	488	636	516	501	0.04
Success	48%	40%	32%	44%	33%	39%	